

UDOT Acronym and Terminology List

-A-

404 A permit required by the US Army Corps of Engineers before any work in a live stream or wetland can occur

AADT Annual Average Daily Traffic

AAP Affirmative Action Plan

AAR Association of American Railroads

AASHTO American Association of State Highway and Transportation Officials: National group of transportation agencies whose focus is to study issues and develop policies and standards related to all aspects of transportation.

A+B- Bidding method where contractor offers base price plus special pricing

A+B+C Bidding method where contractor offers base price plus special pricing on two options

ABS Antilock Brake System

ACC Asphaltic Cement Concrete

Acceptance Test A test to verify that a product, a process or a service is in conformance with the system specifications

ACHP Advisory Council on Historic Preservation

ACI American Concrete Institute: is a non-profit technical and educational society incorporated in the State of Michigan. ACI International is dedicated to improving the design, construction, manufacture and maintenance of concrete structures.

ACTS American Coalition for Traffic Safety Inc.

Acts of God Earthquake, tidal wave, tornado, hurricane, or any other cataclysmic phenomenon of nature beyond the Contractor's control that causes loss, damage, or injury to the work. Weather is not considered an "Act of God" unless it can be shown conclusively that such weather could not have been anticipated as normal hazard of the contract.

ACRP Airport Cooperative Research Program: was authorized in December 2003 as part of the Vision 100-Century of Aviation Reauthorization Act. The ACRP will be sponsored by the Federal Aviation Administration (FAA) and managed by the National Academies, acting through its Transportation Research Board (TRB), with program oversight and governance provided by representatives of airport operating agencies.

ADA Americans with Disabilities Act of 1990: A federal law that requires public facilities (including transportation services) to be accessible to persons with disabilities, including those with mental disabilities, temporary disabilities, and the conditions related to substance abuse.

Addendum Change in bid proposals during time of advertisement

ADOT Arizona Department of Transportation

ADT average daily traffic

Advertisement The public announcement inviting bids for work to be performed or materials to be furnished

AGO Attorney General's Office

AGC Associated General Contractors

AGRC Automated Geographic Reference Center

AHS Automated Highway System

AI Asphalt Institute

AIA American Institute of Architects

AISC American Institute of Steel Construction

AISI American Iron and Steel Institute

Air Microscopic bubbles of air entrained in concrete

AISC American Institute of Steel Construction: is a non-profit trade association and technical institute established in 1921 to serve the structural steel industry in the U.S. Our purpose is to promote the use of structural steel through research activities, market development, education, codes and specifications, technical assistance, quality certification and standardization with an emphasis on: Unifying the industry with a common purpose; Increasing the structural steel industry's share of the construction market ; Supporting the structural steel industry to be innovative and competitive in a worldwide construction market.

AMRL AASHTO Materials Reference Laboratory
ANSI American National Standards Institute
AOG Association of Governments “Six County”
APA American Planning Association: National organization of professional planners; focus includes planning policy, lobbying and public information. **ART-PLAN** Arterial Level of Service Software: A computer software program used to evaluate the level of service (LOS) for a segment of arterial roadway with given traffic volumes, signal settings and number of lanes. **ART-TAB** (see next entry) yields more generalized results than **ART-PLAN**, while highway capacity software (**HCS**) yields more specific answers.
APE Area of potential effect
APL Accepted Products Listing
APTA American Public Transit Association
APTS Advanced Public Transportation System
APWA American Public Works Association: The American Public Works Association is an international educational and professional association of public agencies, private sector companies, and individuals dedicated to providing high quality public works goods and services.
APTA American Public Transit Association: has been representing the transit industry for over 100 years, since 1882. **APTA** members include bus, rapid transit and commuter rail systems, and the organizations responsible for planning, designing, constructing, financing and operating transit systems. www.apta.com
AQI Air Quality Index: Recent and historic Air Quality Index data
ARA American Railway Association
AREA American Railway Engineering Association
ARTBA American Road and Transportation Builders’ Association: is the U.S. transportation construction industry's representative in Washington, D.C. Its mission: advocating strong federal investment in the nation's transportation infrastructure to meet public demand for a safe and efficient business transportation network.
Arterial a major thoroughfare
ASCE American Society of Civil Engineers: provides essential value to our members, their careers, our partners and the public by developing leadership, advancing technology, advocating lifelong learning and promoting the profession.
AST Above-ground storage tank
ASTM American Society For Testing And Materials: ASTM International is one of the largest voluntary standards development organizations in the world-a trusted source for technical standards for materials, products, systems, and services.
ATIS Advanced Traveler Information System
ATV All-terrain vehicle
AVHS Advanced Vehicle highway system
ATMS Advanced Traffic Management System
AUHMTP Alliance for Uniform HazMat Transportation Procedures
AVI Automated Vehicle Identification
AVL Automatic Vehicle Locator
AVO Average Vehicle Occupancy
AVCS Advanced Vehicle Control System
Award The acceptance of a proposal or statement of qualifications by the Department resulting in a Contract for work between the Department and the Contractor.
AWO Air and Water Quality: RESD unit dedicated to clean air and water
AWS American Welding Society
AWWA American Water Works Association

-B-

Backfill Material used to replace, or the act of replacing material removed during construction
BARD Bay Area Refuse Disposal (Bountiful Sanitary Landfill)
BC Back of curb elevation
B/C Benefit cost
BIA US Bureau of Indian Affairs

Bid Legally binding proposal from a contractor to perform specified work
Bidder Any individual or legal entity submitting a Proposal or Statement of Qualifications in response to the Departments' request.
Bid Proposal The prescribed form on which the bidder's financial offer
BLM Bureau of Land Management
Blue Book UDOT construction or reconstruction project
BM Surveying term for benchmark
BMCS Bureau of Motor Carrier Safety
BMP Best management practices
BMS Bridges Management System: Process for analyzing existing conditions and identifying future needs with respect to bridges; required for the National Highway System (NHS) as a part of ISTEA; the extent to which the remaining public bridges are included in the process is left to the discretion of state and local officials; Florida Department of Transportation (FDOT) must develop the process by October 1, 1998.
C Traffic Signal Cycle Length: Length of time (in seconds) for a traffic signal to cycle through a complete sequence of signal indications.
BOR Bureau of Reclamation
BRAG Bear River Association of Governements
BRR Bridge Replacement and Rehabilitation Program (federal funding program)
BTS Bureau of Transportation Statistics: <http://www.bts.gov/> : was born as a statistical agency in 1992. The intermodal Surface Transportation Efficiency Act (ISTEA) of 1991 established BTS for data collection, analysis, and reporting and to ensure the most cost-effective use of transportation-monitoring resources
BTU British thermal unit

-C-

CAAA Clean Air Act Amendments: 1990 amendments to the federal Clean Air Act which classify non attainment areas and lay out rules for dealing with air pollution in such areas; specifically brought transportation decisions into the context of air quality control.
CAA Clean Air Act
CAB Civil Aeronautics Board
CAD Computer Aided Design
CAT EX Categorical Exclusion of environmental issues
CAFE Corporate Average Fuel Economy Standards: Federal fuel efficiency standards for automobiles.
CalTrans California Department of Transportation
CAP Commuter Assistance Program: Program funded by the U.S. Department of Transportation (DOT) which supports numerous congestion-reducing programs in a community in order to achieve the community's traffic reduction and air quality goals.
CAPH Crash Avoidance Performance History
CAPWAP Case analysis of pile wave analysis program: a specialized computer program used in the more detailed analysis of pile driving capacities
CAS Collision avoidance system
CASE Computer Aided Systems Engineering
CBD Central business district
CBR California Bearing Ratio: a design concept for pavement design
CCRL Cement and Concrete Reference laboratory, a division of NIST
CCTV Closed circuit TV
C-D Collector distributor road
CDL Commercial Drivers License
CD Collector Distributor
CDOT Colorado Department of Transportation
CE III UDOT Civil Engineer III
CEQ Council on Environmental Quality
Central Lab UDOT Central Materials Laboratory located in the MTF Building
CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System

CERF Civil Engineering Research Foundation: is a not-for-profit 501©(3) organization, created by ASCE, focus3ed on advancing the design and construction industry through innovation.

CEQ (U.S.) Council on Environmental Quality

Certificate of Compliance A document containing a certified statement from the manufacturer concerning the quality and quantity of material delivered

CFR Code of Federal Regulations: Compilation of the rules of the executive department and agencies of the federal government.

Change Order A written order to the Contractor covering contingencies extra work, increases or decreases in contract quantities resulting in significant changes to the character of the work, and additions or alterations to the original Contract which establishes the basis of payment and time adjustments for the affected changes.

CHIPS Durable aggregate applied a wearing or friction course to pavement; 3/8" minus clean aggregate

CIP cast-in-place

CL Centerline

CL Control line

CMP Corridor Management Plan

CMS Congestion management system

COE Corps of Engineers (U.S.)

Commuter Link Your one-stop location for incidents, construction and weather affected road conditions.

CR Commuter Rail

Cost Plus Construction contracting method where contractor is paid for all costs plus a fixed profit percentage or fee

CMAQ Congestion Mitigation and Air Quality Improvement Program: A new categorical funding program created under ISTEA which directs funding to projects that contribute to meeting national air quality standards in non-attainment areas for ozone and carbon monoxide.

CMS Congestion Management System: A systematic process required under ISTEA to provide information on transportation system performance and identify alternative strategies to alleviate congestion and enhance mobility of persons and goods; process must be developed in Transportation Management Areas (TMAs) and in use by October 1, 1997; the use of CMS in non-TMAs is left to the discretion of state and local officials; in Florida, MPOs will take the lead for the CMS in urbanized areas and FDOT will take the lead elsewhere.

CMS Changeable message sign: a sign capable of displaying a number of predefined messages.

CMV Commercial Motor Vehicles

CO Change order

COE US Army Corps of Engineers

Conformity Compliance with reasonable and customary manufacturing and construction tolerances where working tolerances are not specified. Where working tolerances are specified, conformity means compliance with such tolerances.

Cold Mix Asphalt and aggregates mixed without heat

Complex UDOT Headquarters, The Calvin Rampton Complex in Salt Lake

Contract The written agreement between the Department and the Contractor establishing the obligations of the parties for the performance of the work prescribed. The Contract includes the following, all of which constitute one instrument: a) invitation for Bids b) Proposal c) Contract Bond d) Specification e) Special Provisions f) General and detailed plans g) Notice of award h) Notice to proceed

Contract Bid Item A specific unit of work for which a price is provided in the contract. For projects that include P+T bidding, Time is a bid item.

Contract Bond The approved form of security, executed by the Contractor and the Contractor's Surety or Sureties, guaranteeing complete execution of the Contract and all pertinent change orders and the payment of all legal debts pertaining to the construction of the project.

Core Test machine equipped with a rotating lead that you attach a 2", 3" or some oversized drill bit that cuts a cylinder from the existing pavement of floor, that can then be evaluated for density, gradation, and in the case of the TLA cores where 12" cores can be cut 12"squares to be placed in a rut testing machine to determine the stiffness or strength of the in place material in this case asphalt.

CPAC Cooperating and Participating Agency Committee

CPD Cost per dwelling

CRP Cooperative Research Program

CSI Construction Specifications Institute
CSP Concrete sewer pipe
CSRB Career Service Review Board
CSS Context sensitive solutions
CT Crash Testing: <http://www.nhtsa.dot.gov/cars/testing/ncap/>
CTCs Community Transportation Coordinators: People contracted by the Transportation Disadvantaged Commission to provide complete, cost-effective and efficient transportation services to transportation disadvantaged (TD) persons.
CV Commercial Vehicle
CVO Commercial Vehicle Operations
CVSA Commercial Vehicle Safety Alliance
CWA Clean Water Act

-D-

DAQ Division of Air Quality
DAB Digital Audio Broadcast
DAT Department Administrative Team
DCAA Defense Contract Audit Agency
DDA Decibels on the A-weighted scale
DBE Disadvantaged Business Enterprise
DCP Delegated Contract Process
DEIS Draft Environmental Impact Statement
DEQ Department of Environmental Quality
DET Department Engineering Team
 detector an electronic device for detecting the presence of motor vehicles, pedestrians, etc. (may be magnetic loops, radar, visual (video), acoustic, push-button)
DFCM Utah Division of Facilities and Construction Management
DHRM Utah Department of Human Resource Management
DI Drop inlet
DMPO
DMS Dynamic Message Sign
DMV Division of Motor Vehicles
DNR Department of Natural Resources
DOE-FOE Determination of Eligibility and Finding of Effect
DOI (U.S.) Department of the Interior
DOT Department of Transportation: Agency responsible for transportation at the local, state or federal level.
DPS Utah Department of Public Safety
DVMT Daily Vehicle Miles of Travel: The total miles traveled by all vehicles in a specific area over a 24-hour period; often used to compare changes in travel patterns over time. EA Environmental Assessment: A study used to determine if a full environmental impact statement (EIS) is required for a project; documents the need for the project, the alternatives considered, the preferred alternative and the impacts of the proposed project.
DWR Utah Division of Wildlife Resources

-E-

EA Environmental Assessment
EAP Employee Assistance Program
EB Eastbound
EBS UDOT's Electronic Bid System
EEO Equal Employment Opportunity
EF Experimental Features
EIS Environmental Impact Statement: A comprehensive study of the impacts of and alternatives to proposed projects; required by the National Environmental Policy Act (NEPA)

EM I UDOT Engineering Manager I
EM II UDOT Engineering Manager II
EPM Electronic Project Management
EPA Environmental Protection Agency: A federal agency responsible for dealing with national environmental issues.
EPG Emergency Response Guide
ERNS Emergency Response Notification System
ESA Endangered Species Act
ESAL Equivalent single axle loads: are used in calculating pavement designs
ETA Expected Time of Arrival **ETC** employee transportation corridor
Experimental Feature A material, process, method, equipment item, traffic operational device, or other feature that: (1) has not been sufficiently tested under actual service conditions to merit acceptance without reservation in normal highway construction, or (2) has been accepted but needs to be compared with alternative acceptable features for determining their relative merits and cost effectiveness.
ETS Event tracking system
ETTM Electronic Toll and Traffic Management
EUSERC Electric utility Service Equipment Requirements Committee

-F-

FAA Federal Aviation Administration
FAI Federal Aid Interstate
FAP Federal-aid primary road funding
FAPG Federal Aid Policy Guide
FAR Federal Acquisition Regulations
FARS Fatal Accident Reporting System
FAS Federal-aid secondary road funding
FAU Federal-aid urban
FBWMA Farmington Bay Waterfowl Management Area
FCC Federal Communications Commission
FCI Functional capacity index
Feasibility Study A study about a project's feasibility that is summarized in a document
FEIS Final Environmental Impact Statement
FEMA Federal Emergency Management Agency
FG Finished grade
FHPM Federal Aid Program Manual
FHSS Frequency Hopping Spread-Spectrum. A short range radio technique used by UDOT for digital communications.
FHWA Federal Highway Administration: Division of the U.S. Department of Transportation responsible for administering federal highway transportation programs. <http://www.fhwa.dot.gov>
FINDS Facility Index System
FINET Utah State Government finance and accounting system
FIPS Federal Information Processing Standard
FIRM Flood Insurance Rate Map
FCAG Five County Association of Governments
Fixed Time Intersection Signal Control Intersection signal control with fixed sequences and fixed duration of the signal timing
FL Flow line of gutter or man-made channel
Flexible Operational Capability Allows the direction lanes to change to accommodate uneven traffic flow
Flowable Fill A very lean concrete used for backfill and bedding
FMCSA Federal Motor Carrier Safety Administration: organization created to reduce crashes, injuries, and fatalities involving large trucks and buses
FMS Freeway management system
F.O. fiber optic
FOIA Freedom of Information Act
FONSI Finding of No Significant Impact (possible result of NEPA process)

Force Account Work performed by contractor or state forces at direction of the engineer characterized by resolving costs after the work is done

FOT Field Operational Test

FPPA Farmland Protection Policy Act

4R Highway reconstruction, resurfacing, restoration, and rehabilitation

FRA Federal Railroad Administration: was created by the Department of Transportation Act of 1966 (49 U.S.C. 103, Section 3(e)(1)). The purpose of FRA is to: promulgate and enforce rail safety regulations; administer railroad assistance programs; conduct research and development in support of improved railroad safety and national rail transportation policy; provide for the rehabilitation of Northeast Corridor rail passenger service; and consolidate government support of rail transportation activities

Frontage Road An arterial type roadway that parallels a major transportation facility such as a freeway

FRP Fiber Reinforced Polymer

FS Forest Service

FSS Federal Specifications and Standards

FTA Federal Transit Administration: provides financial assistance to develop new transit systems and improve, maintain, and operate existing systems. <http://www.fta.dot.gov/>

FTE Full-time equivalent employee

FWD Falling weight deflectometer; provides structural numbers of pavement

-G-

GASB 34 Government Accounting Standards Board Recommendation 34. Standard that mandates life-cycle assets management

GAO General Accounting Office <http://www.gao.gov/> is the audit, evaluation, and investigative arm of Congress. GAO exists to support the Congress in meeting its Constitutional responsibilities and to help improve the performance and ensure the accountability of the federal government for the American people. GAO examines the use of public funds, evaluates federal programs effective oversight, policy and funding decisions in the context, GAO works to continuously improve the economy, analyses, legal options, investigations, another services.

GDT Georgia Department of Transportation

GF General Fund

GIS Geographic Information System: Database and mapping software that is used in Transportation Planning

GPS Global Positioning System

Grade The slope (ratio of change in elevation to change in distance) a roadway typically given in percent.

Grade Separation A vertical separation between intersecting roads or railroad tracks. One facility travels over the other via an overpass or other structure.

GRAMA Government Records Access Management Act

Green Book AASHTO Policy on Geometric Design of Highways

GSA General Services Administration

GSM Global System for Mobile Communications

-H-

HAL High accident location

HAR Highway Advisory Ratio

HAZMAT Hazardous Materials

HCM Highway Capacity Manual: The recognized manual describing accepted methodology for computing the capacity and level-of-service for various types of roads; published by the Transportation Research Board (TRB).

HDPE high-density polyethylene

HFRS-2P High Float Rapid Setting Emulsified Polymerized Asphalt

HM Hazardous material

HMA Hot mix asphalt

HMAC Hazardous Materials Advisory Council

HMIRS Hazardous Materials Incident Reporting System

HMIS Hazardous Materials Information System
HOS UDOT Highway operations specialist, obsolete position name
HOT High Occupancy Toll
Hot Mix Asphalt cement concrete
HOV High Occupancy Vehicle
HQ Headquarters
HRB Highway Research Board
HRI Highway Rail Intersection
HSR High speed rail
HTML Hypertext Markup Language
HTTP Hypertext Transfer Protocol
HUB is a field location (may be a building or cabinet) where electronic communications are concentrated from the local area for long distance transmission (usually to the TOC).
HUF Highway Users Federation

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IA Independent Assurance
IAT Independent Agency Testing
IATA International Air Transport Association
ICC Interstate Commerce Commission
IDEA Innovations Deserving Exploratory Analysis: programs fund research into promising but unproven innovations in four transportation areas: Highways, High-Speed Rail, Safety, and Transit.
IEEE Institute of Electrical and Electronics Engineers
IFB Invitation for Bid
IFTA International Fuel Tax Agreement
IIHS Insurance Institute for Highway Safety: the Insurance Institute for Highway Safety is a non-profit organization supported by the auto insurance industry. <http://www.iihs.org/>
ILS Intensive Level Survey
IM Interstate Maintenance Funds
IMS Intermodal Management System: Systematic process to improve the coordination in planning and implementation of air, water and land-based transportation facilities and services; required for transportation facilities connected to the National Highway System (NHS) as a part of ISTEA; must be in use by October 1, 1997; for non-NHS transportation facilities, the extent of an IMS is left to the discretion of state and local officials.
Incident Management Detection of a traffic incident, implementation of appropriate responsive actions and handling of the traffic until normal traffic conditions have been restored. UDOT has incident management trucks/crews canvassing the highways to assist motorists in need.
Invitation for Bids The advertisement for proposals for all work or materials on which bids are requested. Such advertisement indicates with reasonable accuracy the quantity and location of the work to be performed or the character and quantity of the material to be furnished and the time or the character and quantity of the material to be furnished and the time and place of the opening of proposals
IP Internet Protocol
IRI International Roughness Index
IRP International Registration Plan
IRVM Integrated roadside vegetation management
ISA Intelligent Speed Adaptation
ISO International Standards Organization
ISS Information Support Services – UDOT division that supports computers and computer programs
ISTEA Intermodal Surface Transportation Efficiency Act of 1991: Federal law which restructured transportation planning and funding by requiring consideration of multimodal solutions, emphasis on the movement of people and goods as opposed to traditional highway investments, flexibility in the use of transportation funds, a greater role of MPOs, and a greater emphasis on public participation.
ITD Idaho Transportation Department
ITE Institute of Transportation Engineers: An international society of professionals in transportation and traffic engineering; publishes Trip Generation (a manual of trip generation rates by land use type). ITS

Intelligent Transportation System: Use of computer and communications technology to facilitate the flow of information between travelers and system operators to improve mobility and transportation productivity, enhance safety, maximize the use of existing transportation facilities, conserve energy resources and reduce adverse environmental effects; includes concepts such as “freeway management systems,” “automated fare collection” and “transit information kiosks.”

ITS Intelligent Transportation Systems

ITTE Institute of Traffic and Transportation Engineers

IVHS Intelligent Vehicle/Highway Systems: Technologies that focus on monitoring, guiding or operating motorized vehicles, or providing information to travelers about road and traffic conditions; examples include computerized navigational systems in cars, collision warning systems and freeway ramp metering.

JPA Joint Participation Agreement: Legal instrument describing intergovernmental tasks to be accomplished and/or funds to be paid between government agencies.

K Design Hour Factor: Used to convert daily traffic counts to hourly traffic counts, and annual average traffic counts to peak season traffic counts; most road are designed for peak hour, peak season traffic counts.

-J-

-K-

km/h Kilometers per hour

KOP Key observation point

-L-

LA Landscape architect

LA Rattler Horizontal rotating drum used to test aggregate durability

LA Wear test to evaluate aggregate durability

LAB League of American Bicyclists: A national advocacy group located in Washington, D.C.

LAN Local area network

Lane Mile One 12 foot wide traffic lane 5280 feet long

LED Light Emitting Diode

LEO Low Earth Orbit Satellite System

LL Liquid limit

LM Lane mile

LOM Level of Maintenance

LOS Level of service (a traffic engineering term describing how freely traffic moves on a given road or through an intersection)

LPA Locally Preferred Alternative

LPD Liability and Property Damage

LQP Laboratory Qualifications Program

LRFD Load resistance factor design: a system of structural analysis which in recent years has been developed and required by AASHTO for the design of bridges and other related structural elements

LRT Light Rail Transit: A railway with a light volume traffic capacity compared to heavy rail.

LS Land surveyor

LTPP Long Term Pavement Performance Program

LRT Light Rail Transit: An electric rail system which has single cars or short trains, and passengers board at track or car floor level; an example is the Dade Metro Rail system.

LRTP Long Range Transportation Plan

LTAP Local Technical Assistance Program

LUST leaking underground storage tanks

-M-

M3 Former training program for UDOT maintenance personnel

MAG Mountainland Association of Governments

Major Contract Item Any bid item, or item added by change order, having a contract value in excess of 5 percent of the original contract amount.

MAP Management Analysis and Planning System

MBE Minority Business Enterprise

MC Motor Carrier

MCMIS Motor Carrier Management Information System

MCSAP Motor Carrier Safety Assistance Program

MCO Maintenance and Construction Operations

MC-xx Medium cure liquid asphalt

MDC Mobile Data Computer

MDOT Montana Department of Transportation

MDT Mobile Data Terminal

MFI Maintenance Feature Inventory

MHTA Multistate Highway Transportation Agreement

MI Messaging Infrastructure

Minor Contract Item Any bid item not meeting the definition of a Major Contract item

MISLE Marine Information for Safety and Law Enforcement

MIS Major investment study

MMQA Maintenance Management Quality Assurance Program

MMS Maintenance Management System

MOA Memorandum of Agreement

modem modulator / demodulator. An electronic device for transmitting / receiving electronic information. (may communicate using telephone lines, fiber optics, radio, etc.)

MOE Measures of Effectiveness: A quantitative parameter indicating the performance of a facility or service.

MOI Manual of instruction

MOT Maintenance of Traffic

MOU Memorandum of Understanding

MP milepost

MPC Mountain Plains Consordium

MPEG2 An standard protocol for digitally encoding video signals, (same as used on DVD's) (also see multicast.)

MPH Miles Per Hour

MPO Metropolitan Planning Organization

MQI Manual of Instruction

MSE Mechanically stabilized earth wall

MSIS Marine Safety Information System

MST Minimum Sampling and Testing Guide

MTA Metro Transit Authority

MTF Central Materials Lab, warehouse and shops

Multicast Internet protocol for sending streaming video to multiple locations.

MUTCD Manual of Uniform Traffic Control Devices:

-N-

NAAQS National Ambient Air Quality Standard

NAC Noise Abatement Criteria

NARCS Natural Resources Conservation Service

NASTO Northeast Association of State Transportation Officials

NAV Navigation

NB Northbound

NBIP National Bridge Inspection Program

NCHRP National Cooperative Highway Research Program: Administered by the **Transportation Research Board** (TRB) and sponsored by the member departments (i.e., individual state departments of transportation) of the **American Association of State Highway and Transportation Officials (AASHTO)**, in cooperation with the **Federal Highway Administration** (FHWA), the National

Cooperative Highway Research Program (NCHRP) was created in 1962 as a means to conduct research in acute problem areas that affect highway planning, design, construction, operation, and maintenance nationwide.

NCSL National Conference of State Legislatures

NDOT Nevada Department of Transportation

NEC National Electric Code

NEPA National Environmental Policy Act of 1969

NGA National Governors Association

NHI National Highway Institute: provides leadership and resources for the development and delivery of training and education programs to improve the quality of our Nation's highway system and its intermodal connections.

NHPA National Historic Preservation Act of 1966

NHPN National Highway Planning Network

NHS National Highway System: (Federal funding category & established system of roads)

NHTSA National Highway Traffic Safety Administration: Although there is some overlap between the two agencies, NHTSA primarily deals with safety issues of the driver and vehicles while FHWA primarily focuses on issues related to the roadway itself. <http://www.nhtsa.gov/>

NII National Information Infrastructure

NIST National Institute of Standards and Testing

NMDOT New Mexico Department of Transportation

NOI Notice of intent

Notice to Proceed Written notice to the Contractor to begin the Contract

NPDES National Pollution Discharge Elimination System

NPEP UDOT New Product Evaluation Panel

NPL National Priorities List (Superfund sites)

NRC National Research Council: a private not for profit institution, is the primary operating agency of the NAS

NRHP National Register of Historic Places

NSF National Science Foundation: is an independent agency of the U.S. Government, established by the National Science Foundation Act of 1950, as amended, and related legislation, 42 U.S.C. 1861 et seq., and was given additional authority by the Science and Engineering Equal Opportunities Act (42 U.S.C. 1885), and Title I of the Education for Economic Security Act (20 U.S.C. 3911 to 3922)... To promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense <http://www.nsf.gov>

NTL National Transportation Library <http://ntl.bts.gov/index.cfm>: Charged with improving the availability of transportation related information needed by Federal, state and local decision makers, the National Transportation Library's mission is to increase timely access to the information that supports transportation policy, research, operations, and technology transfer activities. The NTL was established in 1998 through the Transportation Equity Act for the 21st Century and serves as a repository of materials from public academic and private organizations.

NTCIP National Transportation Communications for ITS Protocol, A family of electronic communication protocol standards developed by AASHTO, ITE, and NEMA. under the guidance of FHWA .

NTS National Transportation System: Refers to those elements/facilities from aviation, highways (including the NHS), railroads, ports and waterways, pipelines and public transportation which play an important role in meeting national transportation needs; will be used to provide a policy framework to evaluate impacts and effectiveness of federal laws and regulations, to plan federal infrastructure investments, and to evaluate service levels; currently being developed by the U.S. Department of Transportation (DOT). O-D Survey Origin-Destination Survey: A study which identifies where a selected sample of persons or cars came from (origin) and where they are going (destination); used to help understand travel patterns and trip purposes.

NTSB National Transportation Safety Board

NTTC National Tank Truck Carriers, Inc.

Nuc Gauge Nuclear density gauge used in compaction testing

NWI National Wetlands Inventory

-O-

OAT Owner Agency Testing
OCIP Owner Controlled Insurance Program
ODOT Oregon Department of Transportation
OGSC Open graded seal coat
OCR Optical character recognition: Automatic interpretation of characters by analyzing pictures using computer software
OHV Off-highway Vehicles
OMB White House Office of Management and Budget Regulatory Office
Org UDOT Organizational unit code (4 digits)
Orange Book State funded pavement preservation maintenance contract
ORV Off-road vehicle
OSHA Occupational Safety and Health Act
Over saturation A traffic condition in which the arrival flow rate is lower than the capacity

-P-

P/L Property line
PAC Project advisory committee
PA/SI Preliminary Assessment and Site Investigation
PATH mission is to develop solutions to the problems of California's surface transportation systems through cutting edge research. PATH develops these solutions by harnessing the knowledge of transportation researchers, working in conjunction with experts in the fields of information technology, electrical engineering, mechanical engineering, economics, transportation policy and behavioral studies. The PATH Partners for Advanced Transit and Highways: California charter includes conducting leading research, planning and evaluating field operational tests, developing partnerships between academia, the public sector and private companies, and educating both students and practitioners.
PC Point of curvature
PCA Where cement and concrete are concerned so is the Portland Cement Association: in manufacturing, in raising the quality of construction, in improving our product and its uses, in contributing to a better environment. In practice, this mandate means well-rounded programs of market development, education, research, technical services, and government affairs on behalf of PCA members-cement companies in the United States and Canada
PCS Pavement Condition System
PDA Personal Digital Assistant
PDA Pile driving analyzer: a computer system used by geotechnical personnel to monitor the performance of pile driving
PDBS Project development business system
PDL Project delivery list
PDPL Performance Data Product List
PE Preliminary engineering
PE Professional engineer
PEHP Public Employees Health Plan
PEQIT Performance Evaluation Quality Improvement Team
PGAB Performance Graded Asphalt Binder
PLB Project level budgeting
PLS Professional land surveyor
phase (traffic signal) A single controlled traffic movement as defined in the signal controller. Phases may be combined as "overlaps".
PI Plasticity index
PI Principal Investigator (Project)
PI Public Information
PI Public involvement
PI Point of intersection
PIC UDOT Regional Public Involvement Officer

Plant Mix Asphalt cement concrete delivered to the job hot

PM Project management

PMS Pavement Management System: A systematic process utilized by state agencies and MPOs to analyze and summarize pavement information for use in selecting and implementing cost-effective pavement construction, rehabilitation, and maintenance programs; required for roads in the National Highway System (NHS) as a part of ISTEA; the extent to which the remaining public roads are included in the process is left to the discretion of state and local officials; criteria found in 23 CFR 500.201-.209; must be in use by October 1, 1997.

PMSC Plant mix seal coat

PO Purchase Order

POE Motor Carrier Division Port of Entry

PONTUS Computer system used to track structure data and condition

PORT Motor Carrier Division Port of Entry

POV Privately owned vehicle

PPE Personal protective equipment

PPP Private, Public Partnership preemption (traffic signal) the technique that a signal controller gives priority to trains, emergency vehicles, and/or busses.

P&R Park & Ride: A combined journey including changing of travel mode from bicycle to public transport or vice versa during a single journey.

Prequalification/Initial Financial Screening Statement The specific forms on which required information is furnished about the Contractor's ability to perform and finance the work.

Proctor A test method to determine the maximum compacted density of soils and aggregates

Proposal A bidder's written offer on Department furnished forms, to perform stated work at the quoted prices

PPMS Preconstruction Project Management System

PT Surveyors term for point of tangency

PTMS Public Transportation Facilities and Equipment Management System: A systematic process (required under ISTEA) utilized by state agencies and MPOs to collect and analyze information on the condition and cost of transit assets on a continual basis; data is to be used to help people choose cost effective strategies for providing and keeping transit facilities and equipment in good condition; process must be developed in Transportation Management Areas (TMAs); the use of CMS in non-TMAs is left to the discretion of state and local officials.

Purple Book State funded reconstruction project or new construction

PVC Surveyors term for point of vertical curve

-Q-

QA Quality Assurance

QC Quality Control

QIT Quality Improvement Council

-R-

RAC Research Advisory Committee The board is made up of the Executive Directors of the DOTs and the chairperson from RAC

<http://www4.NAS.edu/trb/scor/SCORmain.nsf/?opendocument>:

RAP recycled asphalt pavement

RC-xx Rapid cure liquid asphalt

RCC Roller compacted concrete

RCE Resident construction engineer

RCP Reinforced concrete pipe

RCRA Resource Conservation and Recovery Act

RCRIS Resource Conservation and Recovery Information System

Rebar Reinforcing steel bars used in concrete construction

RD Research and Development

REIC Regional Employee Improvement Council

RFI Request for information

RFP Request for proposals

RFQ Request for quotations

RFQ Request for qualifications

RIP Research in progress (performed through the Transportation Research Board): **Database** contains about 7,600 records of current or recently completed transportation research projects. Each month about 100 new RIP projects are added to the database and another 150 RIP records are updated. Most of the RIP records are projects funded by Federal and State Departments of Transportation. University transportation research is also included. In 1998, the **Transportation Association of Canada** began supplying records from its **Canadian Surface Transportation Research Database** for RIP.

Risk Management UDOT term for safety and accident control

RME Region Materials Engineer

ROD Record of Decision (possible result of NEPA (National Environmental Policy Act of 1969 process)

Rotational UDOT engineer participating in Rotational Engineering Training program

rotomill the process of grinding off the top layer of the roadway in preparation for resurfacing.

Roundabout A Circular intersection design

ROW Right-of-way: Real property that is used for transportation purposes; (R/W) defines the extent of the corridor that can be used for the road and associated drainage.

RP Reference Post (now replaced by mileposts)

RPI Railway Progress Institute

RPM Raised Pavement Marker

RQ Reportable quantity

RS Rapid set liquid asphalt

RSPA Research and Special Projects Administration <http://www.rspa.dot.gov/>: was established by the Secretary of Transportation in 1977 to be the operating administration for those programs that did not fit into the more narrowly defined missions of the existing modal administrations. One of the major emphasis areas is pipelines.

RT Recreational Trails Program (federal funding program)

Rut Test

RWIS Roadside weather information system

R-xx Retaining wall number

-S-

SA Surface area; paved surface measurement unit 12 Feet by 5280 feet (calculated value based on a measured length and width)

SB Southbound

SC Soil Cement

SCOR Standing Committee on Research

SCS (USDA) Soil Conservation Service (now NARCS)

SC-xx Slow cure liquid asphalt

SEAG Southeast Association of Governments

Senior Leader UDOT high-level management official

Shed UDOT Maintenance Station

SHPO (Utah) State Historic Preservation Officer

SIP State Implementation Plan

SCAG Six County Planning group in central Utah

Skills Match The only way you can apply for a job at UDOT

SLCIA Salt Lake City International Airport

SLCWCD Salt Lake County Water Conservancy District

SMA Stone matrix asphalt

SMS Highway Safety Management System: A systematic process utilized by state agencies and MPOs to provide information necessary for selecting and implementing effective highway safety strategies and projects designed to reduce the number and severity of traffic accidents; required for roads in the National Highway System (NHS) as a part of ISTEA; must be in use by October 1, 1997; the extent to which the remaining public roads are included in the process is left to the discretion of state and local officials.

Spaghetti Bowl Intersection of I-15, I-80, and SR-201 in SLC

Special Provisions A unique specification or a modification or revision to the standard specifications applicable to an individual contract.

SPR State Planning and Research Funds (federal funding source)

SPUI single-point urban interchange

SR State Route

SRPP Strategic Regional Policy Plan: A plan, developed by each regional planning council (RPC), which contains goals and policies addressing affordable housing, economic development, emergency preparedness, natural resources of regional significance, and regional transportation issues; must be consistent with the state comprehensive plan (SCP).

Standard Specifications Specifications approved for general application and repetitive use.

Standards Specific requirements for material properties, placement, design elements, methods or products intended for consistent use statewide on UDOT projects and facilities

Station UDOT Maintenance Station

STIP State Transportation Improvement Program: A staged, multiyear, statewide, intermodal program that is consistent with the state and metropolitan transportation plans; identifies the priority transportation projects to be done over the next three years; is developed by the Florida Department of Transportation (FDOT) and must be approved by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) at least every two years.

STP Surface Transportation Program: A new federal block grant-type program created by ISTEA; may be used by states and localities for any roads (including the National Highway System) that are not functionally classified as local or rural minor collectors; roads eligible under this program are collectively known as federal-aid roads.

STP Statewide Transportation Plan: A long-range transportation plan (at least 20 years) which provides direction for developing a statewide transportation system; in Florida, the state transportation plan (STP) and the 2020 Florida Transportation Plan are developed by the Florida Department of Transportation (FDOT); criteria are found in 23 CFR 450.214.

STPP Surface Transportation Policy Project: A national public interest group dedicated to ensuring that transportation policy and investments help conserve energy, protect environmental and aesthetic quality, strengthen the economy, promote social equity, and make communities more livable; emphasizes the needs of people, rather than vehicles, in assuring access to jobs, services and recreational opportunities.

Subcontractor An individual or legal entity that performs part of the Contractor's required work through a contract agreement with the Contractor

Supplemental Specifications approved additions and revisions to the Standard Specifications

Surface Area Paved area 12 feet by 5280 feet long

SWE Society of Women Engineers

SWPPP Storm Water Pollution Prevention Plan

-T-

T304 AASHTO sponsored test method

T1 High-speed computer connection

T2 Technology Transfer

T3 T cubed

T-91 Form used by maintenance supervisors to enter daily labor, equipment materials and accomplishments

T304 AASHTO sponsored test method

TAC Technical Advisory Committee: A standing committee of most metropolitan planning organizations (MPOs); function is to provide advice on plans or actions of the MPO from planners, engineers and other staff members (not general citizens.)

T&E threatened and/or endangered (species)

TAZ Traffic Analysis Zone: The smallest geographical area routinely used for computer travel simulation. The number of dwellings, population, employment, etc. per TAZ is estimated for existing and future years, for subsequent use in trip generation. (Rule of thumb, maximum of 10,000 ADT from each TAZ.)

TC top of curb elevation

TCM Transportation Control Measure

TCPU transportation, communications, and public utilities

TCS Traffic Control Supervisor

TCRP Transit Cooperative Research Program: was established under Federal Transit Administration (FTA) sponsorship in July 1992. Proposed by the U.S. Department of Transportation, TCRP was authorized as part of the Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) and reauthorized in 1998 by the Transportation Equity Act for the 21st Century (TEA-21).

TDM Travel Demand Management: Includes actions or programs that encourage people to travel at alternative times, or with few vehicles to reduce congestions. TDM reduces traffic volumes through methods including: ridesharing, park and ride operations, staggered work hours, and transit improvements.

TEA Transportation Enhancement Activity: Specific activities which can be funded with Surface Transportation Program (STP) funds; activities include pedestrian/bicycle facilities, acquisition of scenic easements and scenic historic sites, scenic or historic highway programs, scenic beautification, historic preservation, rehabilitation/operation of historic transportation structures, railway corridor preservation, control/removal of outdoor advertising, archeological planning/research and mitigation of highway runoff water pollution.

TEA21 Transportation Equity Act for the 21st Century

TECH IV UDOT senior civil engineering technician usually assigned as assistant to field or design engineers

TEIC Transportation Employees Improvement Council

TEP Technical evaluation panel

TFHRC Turner-Fairbank Highway Research Center <http://www.tfhrc.gov/>: a federal agency of the US Department of Transportation funded through a 6 year transportation authorization. Provides transportation research funds to the state DOTs through the SPR program

Third Party A company or person not party to a contract; independent consultant

3R Resurfacing, Restoring, Rehabilitating:

TIC Transportation Information Center

TIFA Trucks Involved In Fatal Accidents

TIG Technology Implementation Group <http://www.aashtotig.org>: created in 2001 to champion the implementation of ready-to-use technologies, products, or processes resulting in economic or qualitative benefits

TIN Technology Implementation Network generally the TIN is a committee concerned with technology implementation and is basically internal to FHWA

TIP Transportation Improvement Program

TM Traffic Management

TMG Traffic Monitoring Guide, published by FHWA

TMO Transportation Management Organization: See TMA.

TMS Traffic Monitoring Station. An permanent electronic TMS/H station for traffic data collection which communicates real-time conditions to a central facility.

TMS/H Traffic Monitoring System for Highways: A systematic process for collecting data regarding traffic counts, types of vehicles, vehicle weight and vehicle occupancy; all public roads except local or rural minor collectors are to be included; required by ISTEA to be in operation by October 1, 1996.

TOC Transportation Operation Center

TP Surveying term for turning point

TQM Total Quality Management

Traffic Data Collection Collection of time and space related characteristics of the traffic flow such as volume, speed, occupancy and travel time and changes in these.

Trans Tech UDOT Transportation Technician

TDM Transportation Demand Management

TRB Transportation Research Board: A unit of the National Research Council whose purpose is to advance knowledge about transportation systems; publishes the Highway Capacity Manual.

TRIS Transportation Information Services: The Transportation Research Information Services Database is the world's largest and most comprehensive bibliographic resource on transportation information. <http://www4.trb.org/trb/tris.nsf>

TRMC Transit Management Center

TSM Transportation Systems Management

TxDOT Texas Department of Transportation

-U-

UBC Uniform Building Code
UDEQ Utah Department of Environmental Quality
UDNR Utah Department of Natural Resources
UDOT Utah Department of Transportation
UDWQ Utah Division of Water Quality
UDWR Utah Division of Wildlife Resources
UHP Utah Highway Patrol
UPM Uniform patching mix – cold-mix asphalt used for filling potholes
UMTA Urban Mass Transit Association
UMTRI University of Michigan Transportation Research Institute
UNHP Utah Natural Heritage Program
UBAG Uintah Basin Association of Governments
UPDES Utah Pollution Discharge Elimination System
UPEA Utah Public Employees Association
UPRR Union Pacific Railroad Company
UPS Uninterruptible Power Supply
URAA Uniform Relocation Assistance Act (Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970)
URMCC Utah Reclamation Mitigation Conservation Commission
US-x Federally numbered highway
USAS United States of American Standard Institute
USC United States Code
USDA U.S. Department of Agriculture
USCG U.S. Coast Guard
USDOT United States Department Of Transportation
USFWS U.S. Fish and Wildlife Service
USGS U.S. Geological Survey
USHPO Utah State Historic Preservation Office
UTA Utah Transit Authority
UTBC Untreated base course
UTRAC Utah Transportation Research Advisory Council (UTRAC): provides guidance and oversight to UDOT's research program. The Council reviews and approves the division's annual work program and establishes priorities for proposed studies.

-V-

VE Value Engineering
VRT Visual Risk Technologies, Inc.
VIUS Vehicles Inventory and Use Survey
VMS Variable Message Sign
VMT Vehicle Miles of Travel
VOC volatile organic compound
VPD Vehicles Per Day: A ratio used in defining the hourly volume
VPH Vehicles Per Hour: A ratio used in defining the daily volume

-W-

WaDOT Washington Department of Transportation
WAN Wide Area Network
WASHTO Wasatch Association of State Highway Transportation Officials
WB West Bound
WBWCD Weber Basin Water Conservation District
WCF Worker's Compensation Fund: An insurance program designed to cover medical expenses and protect earnings of employees injured on the job
WCWCD Washington County Water Conservancy District

Weigh In Motion Measuring the weight of the axles of a moving vehicle
Wetland A watercourse, lake, pond, spring or wet area protected by federal law
WIM Weigh in Motion
WP3 Storm Water Pollution Prevention Plan
WFRC Wasatch Front Regional Council
WMA waterfowl management area
WTC Western Transportation Corridor
WWTP wastewater treatment plant
WWW World Wide Web
WyDOT Wyoming Department of Transportation

-X Y Z-

Zero Based Budgeting Figuring out what Projects are needed before receiving money to fund them.